



U.S. DEPARTMENT OF ENERGY  
Office of Electricity Delivery and Energy Reliability  
Infrastructure Security and Energy Restoration

# ENERGY ASSURANCE DAILY

Friday Evening, December 23, 2016

## ***Electricity***

---

### **Update: Entergy's 653 MW Pilgrim Nuclear Unit 1 in Massachusetts Restarts, Ramps Up to 77 Percent by December 23**

The unit was shut on December 15 due to three leaking steam valves. Entergy has said the plant will permanently shut in 2019 due to poor market conditions, reduced revenues, and increased operational costs.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://patch.com/massachusetts/plymouth/pilgrim-nuclear-plant-shut-down>

### **FERC Issues License for Absaroka Energy's 400 MW Gordon Butte Pumped Storage Project in Montana December 20**

The Federal Energy Regulatory Commission (FERC) granted Absaroka Energy a 50-year license to construct and operate the Gordon Butte Pumped Storage Project, which would supplement electricity from wind turbines and other sources, near Martinsdale, Montana. The facility would use excess power produced by wind farms or other sources to pump water uphill to a 4,000 acre-foot reservoir with a 1,025-foot head. During times of peak consumer electricity demand or when the wind is not blowing, the water would be released to turn hydropower turbines and keep electricity flowing. The company's president said it was seeking project financing, with construction expected to begin no earlier than 2018.

<http://absarokaenergy.com/2016/12/ferc-issues-original-license-for-gordon-butte-pumped-storage-project/>

<http://absarokaenergy.com/wp-content/uploads/2016/12/FERC-Order-Issuing-Original-License-12142016.pdf>

<http://www.gordonbuttepumpedstorage.com/project-overview/>

Reuters, 18:31 December 22, 2016

## ***Petroleum***

---

### **Update: PES Cuts Hydrotreater Production Due to Hydrogen, Steam Loss at Its 335,000 b/d Philadelphia, Pennsylvania Refinery – Source**

Philadelphia Energy Solutions (PES) significantly cut production from a 60,000 b/d a hydrotreater due to shortages of hydrogen and steam from a 44,000 b/d reformer unit, and a 44,000 b/d unifier unit, all located in the Point Breeze section of its Philadelphia, Pennsylvania refinery, according to a source familiar with the plant's operations. A fire on December 10 damaged and shut the reformer and unifier units, which prompted PES to advance a turnaround at the Point Breeze complex that was originally scheduled for March 2017, and includes unplanned repairs associated with the fire. The source said the hydrotreater, which produces jet fuel and other light distillates, was running at 20,000 b/d on Thursday and may shut down briefly during the turnaround. The reformer and unifier units are expected to be shut until February. Two traders also said PES stopped posting prices for refined products this week at numerous locations.

Reuters, 16:34 December 22, 2016

### **Husky's 152,000 b/d Lima, Ohio Refinery Experiences Operational Issue December 22 – Local Media**

Husky Energy's Lima, Ohio refinery experienced an operational issue on Thursday, which will lead to increased flaring and additional noise from the facility over the next day or two, according to a local media report. Officials were working to resolve the issue, the report said quoting a company spokesman.

Reuters, 16:24 December 22, 2016

### **Phillips 66 Reports Emissions at Its 200,000 b/d Ponca City, Oklahoma Refinery December 18, 20**

Phillips 66 reported emissions from the fluid catalytic cracking unit regenerator at its Ponca City, Oklahoma refinery on December 18 and 20, according to a filing with the Oklahoma Department of Environmental Quality made public on Thursday.

Reuters, 17:01 December 22, 2016

### **HollyFrontier Reports Emissions Events from Its 70,300 b/d Tulsa East, 85,000 b/d Tulsa West Refineries in Oklahoma December 14–19**

HollyFrontier Corp reported hydrogen sulfide emissions from its Tulsa East refinery on December 19, according to a filing with the Oklahoma Department of Environmental Quality made public on Thursday. The company also reported hydrogen sulfide emissions from the no. 2 alkylation unit flare at its Tulsa West refinery on December 14, 16, 18, and 19.

Reuters, 17:16 December 22, 2016

### **CVR Reports Emissions Events at Its 70,000 b/d Wynnewood, Oklahoma Refinery December 17–19**

CVR Energy reported hydrogen sulfide emissions from the hydrocracker flare at its Wynnewood, Oklahoma refinery on December 17, 18, and 19, according to a filing with the Oklahoma Department of Environmental Quality made public on Thursday.

Reuters, 17:16 December 22, 2016

### **Valero Reports Emissions Events at Its 86,000 b/d Ardmore, Oklahoma Refinery December 17–18**

Valero Energy Corp reported hydrogen sulfide emissions at its Ardmore, Oklahoma refinery on December 17 and 18, according to a filing with the Oklahoma Department of Environmental Quality.

Reuters, 17:29 December 22, 2016

### **Valero Reports Emissions at Its 225,000 b/d Texas City, Texas Refinery December 23**

Valero on Friday reported sulfur dioxide emissions from the complex 3 section of its Texas City, Texas refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 11:27 December 23, 2016

### **Shell Reports Upset at Its 145,000 b/d Puget Sound, Washington Refinery December 17**

Royal Dutch Shell Plc reported an upset at its Puget Sound, Washington refinery on December 17, according to a filing with the Northwest Clean Air Agency made public on Thursday.

Reuters, 17:57 December 22, 2016

## ***Natural Gas***

---

Nothing to report.

## ***Other News***

---

Nothing to report.

## ***International News***

---

Nothing to report.

## Energy Prices

U.S. Oil and Gas Prices December 23, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	51.72	51.88	36.66
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.57	3.55	1.74

Source: Reuters

## Links

***This Week in Petroleum*** from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA

[http://www.eia.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

***Natural Gas Weekly Update*** from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

### ENERGY ASSURANCE DAILY

*Energy Assurance Daily* provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. ET. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:

<http://www.oe.netl.doe.gov/ead.aspx>

Please direct comments and questions to: [ead@oe.netl.doe.gov](mailto:ead@oe.netl.doe.gov)